

00532275-032100

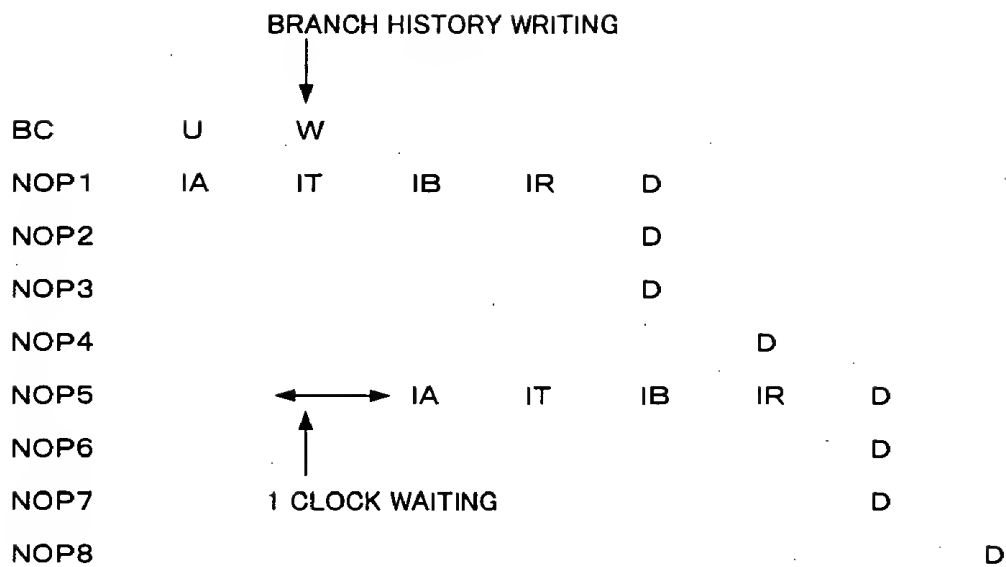


FIG. 1 Prior Art

0953275-032100

# EXAMPLE OF SHORT LOOP

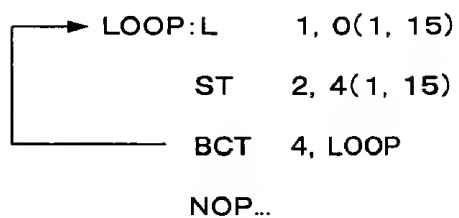


FIG. 2A Prior Art

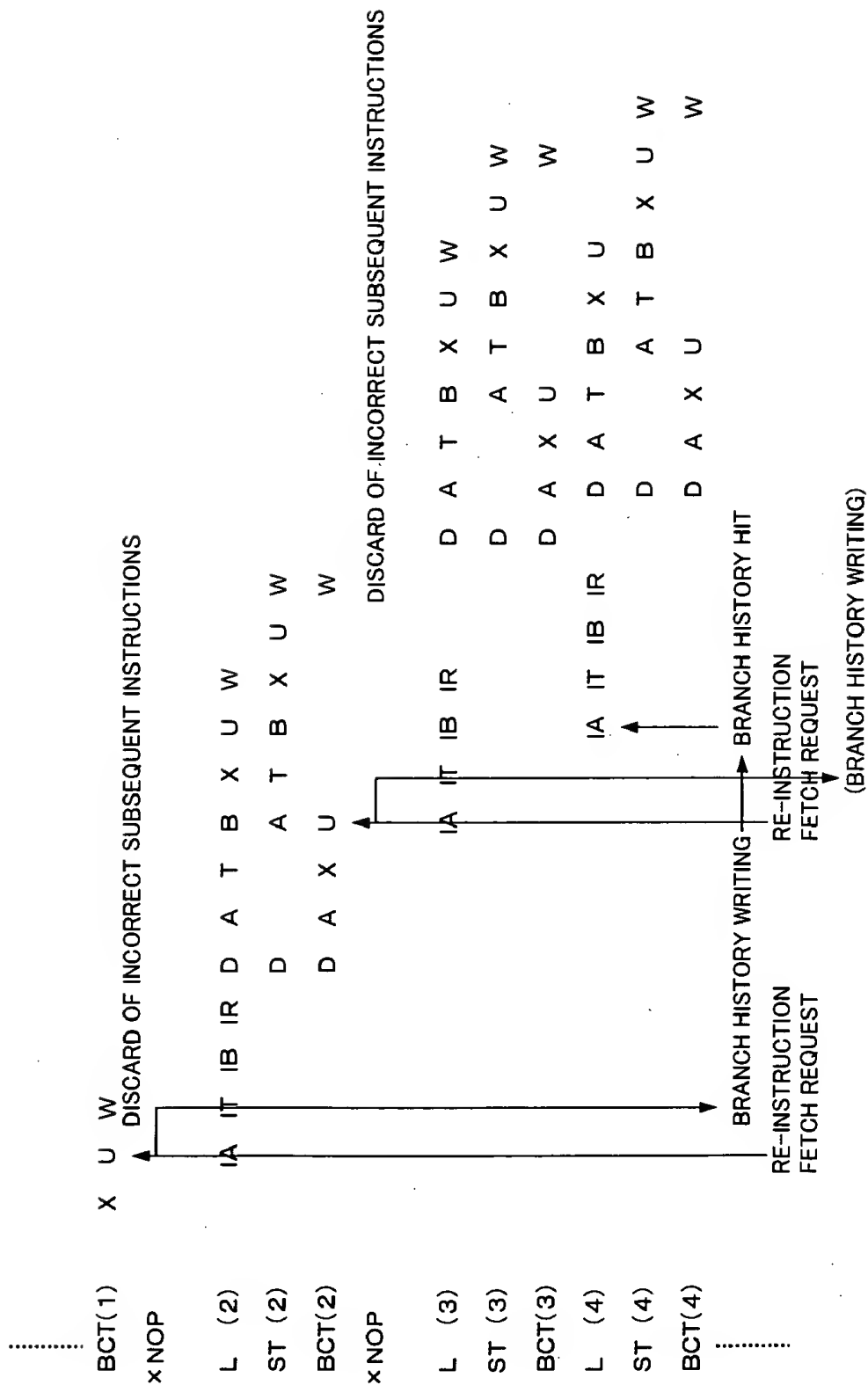


FIG. 2B Prior Art

09532275 "032100

BC	U	W				
NOP1	IA	IT	IB	IR	D	
NOP2					D	
NOP3					D	
NOP4						D
NOP5		IA	IT	IB	IR	D
NOP6						D
NOP7						D
NOP8						D

IMPROVEMENT OF  
AVERAGE 1 CLOCK  
CYCLE

FIG. 3

EXAMPLE OF SHORT LOOP

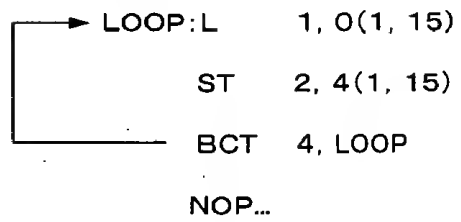


FIG. 4A

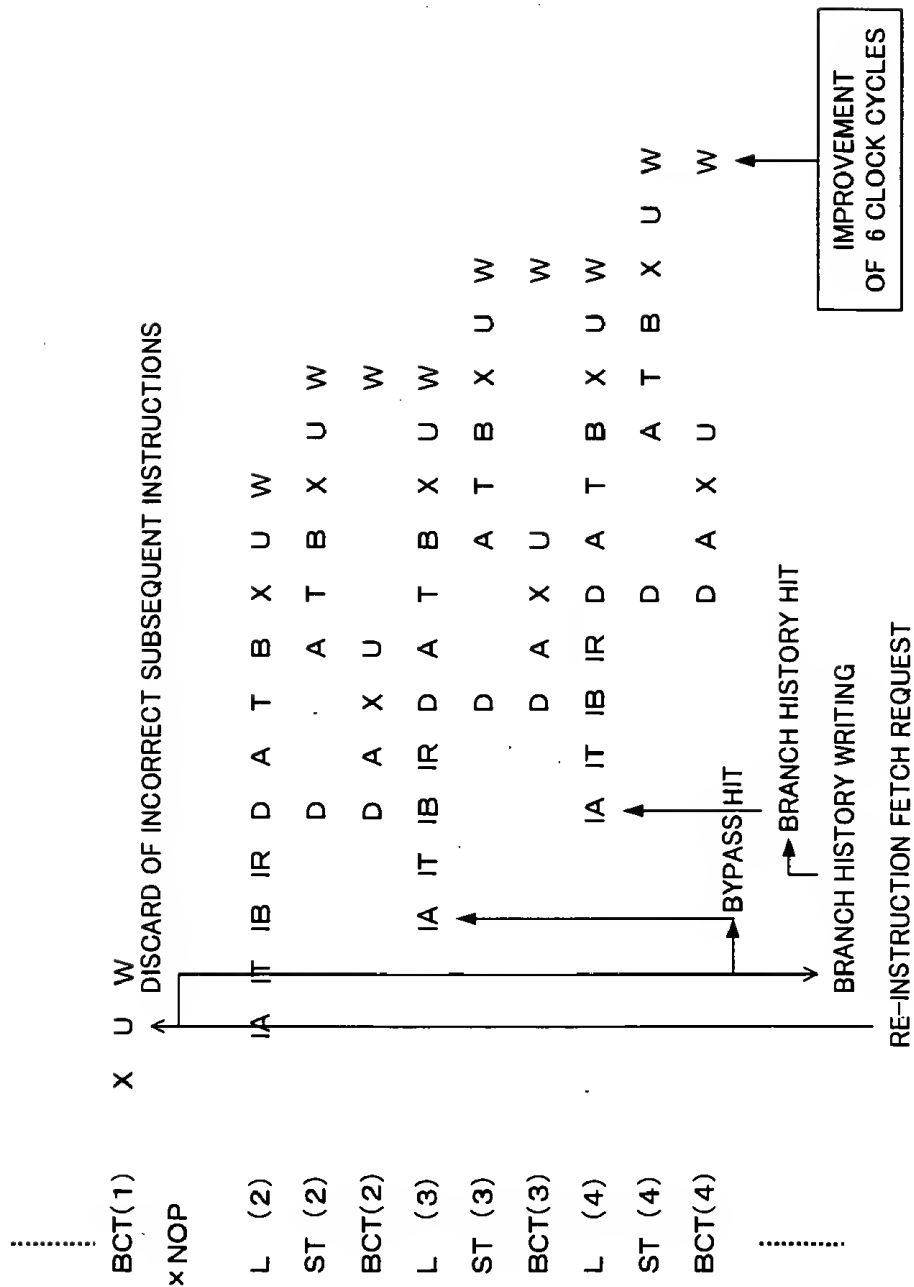
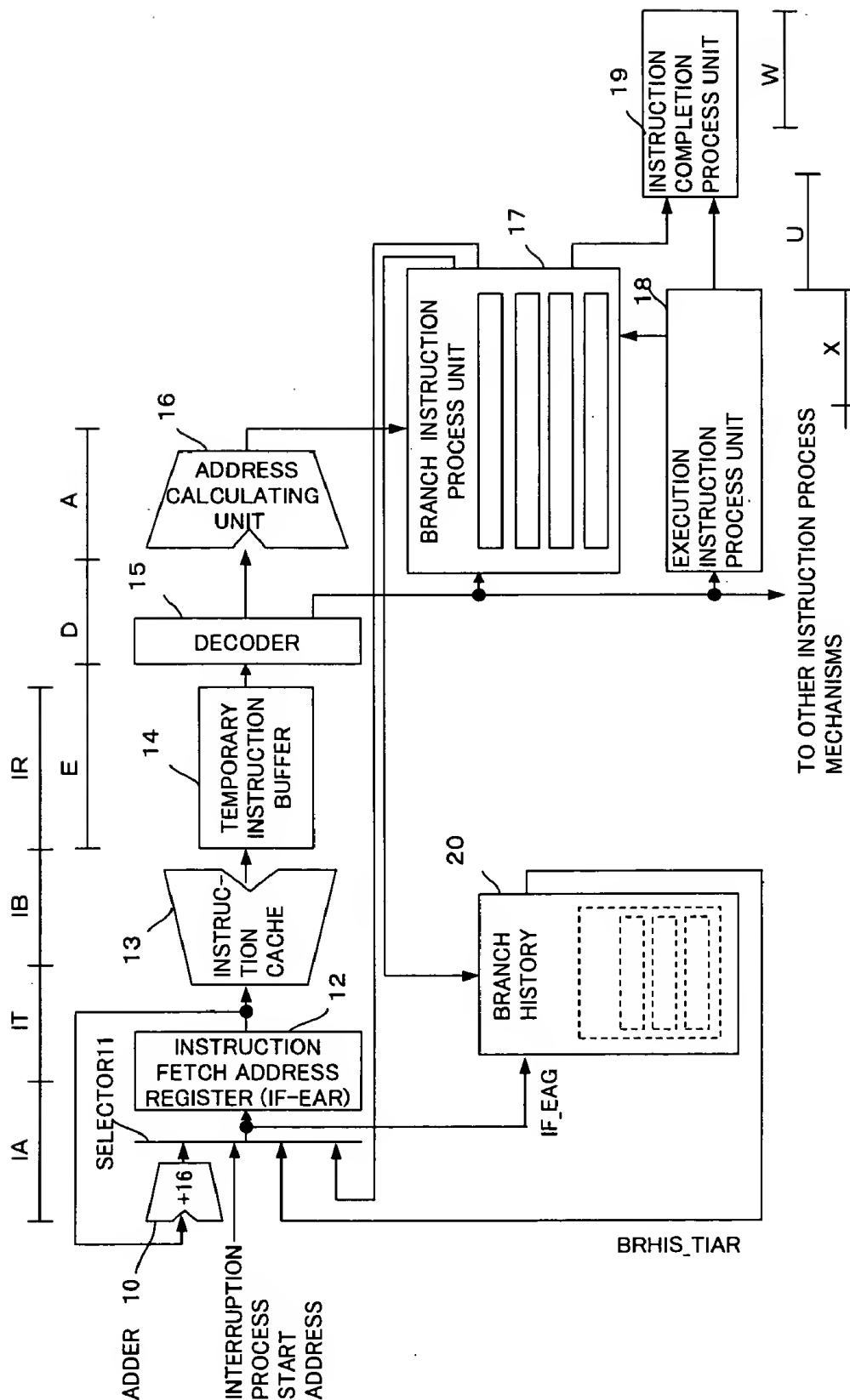


FIG. 4B



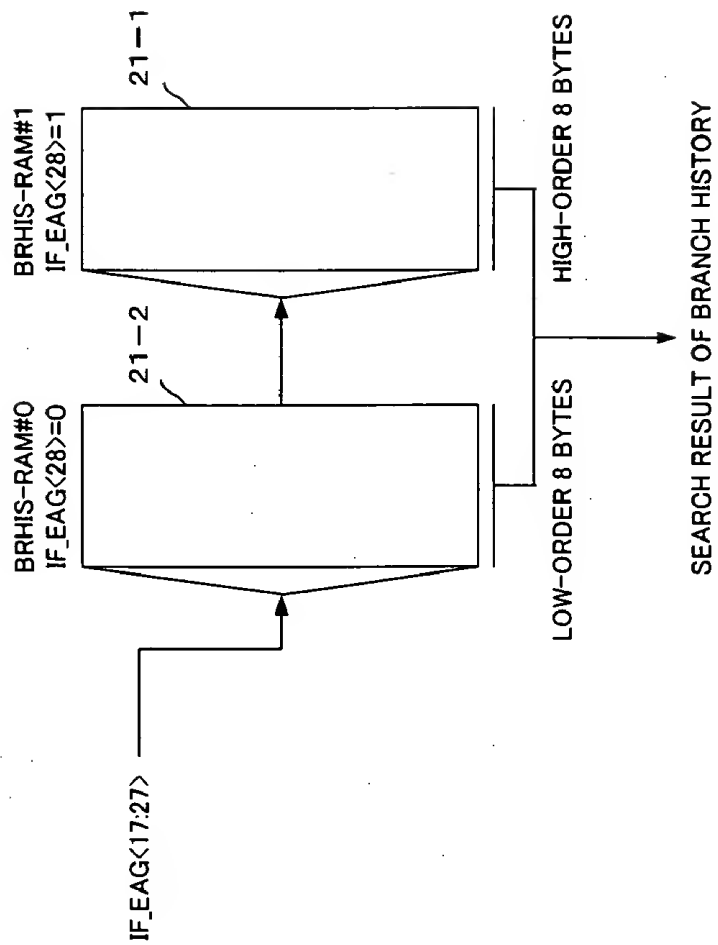


FIG. 6



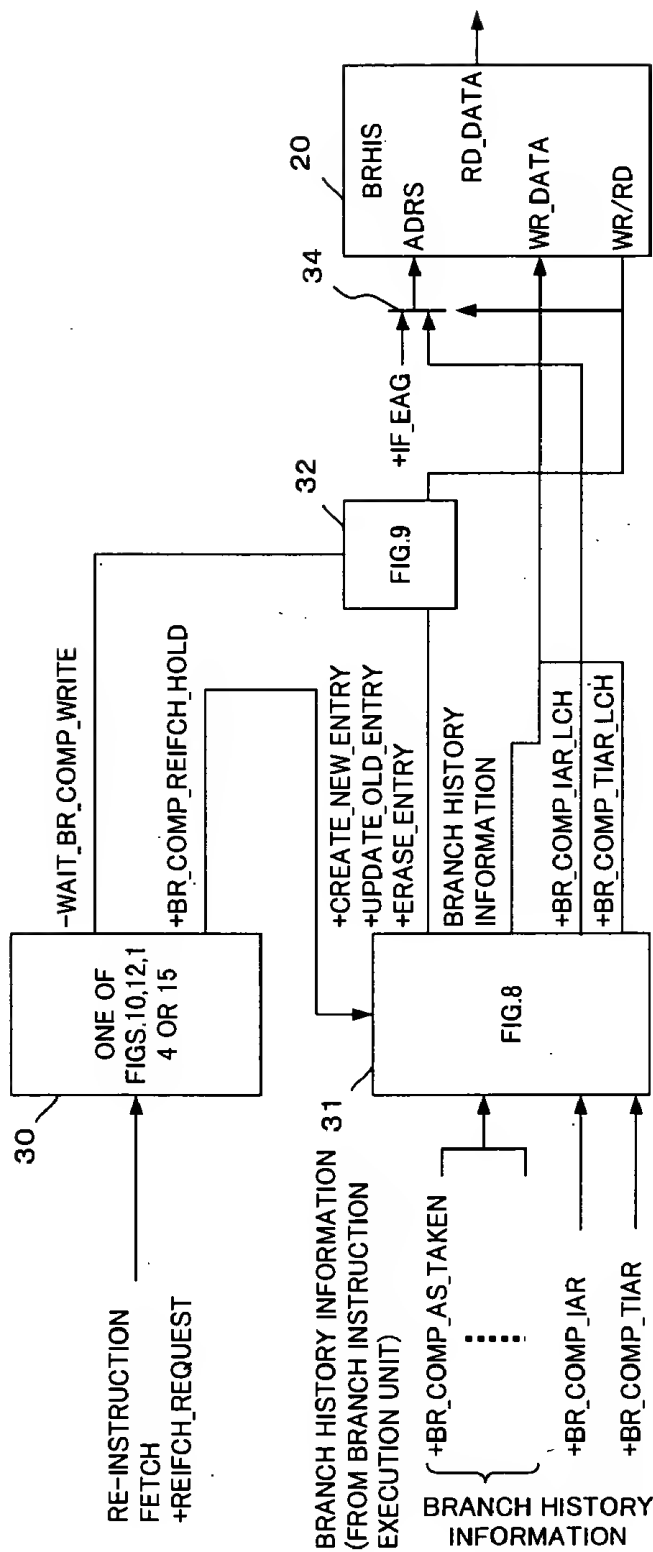


FIG. 7

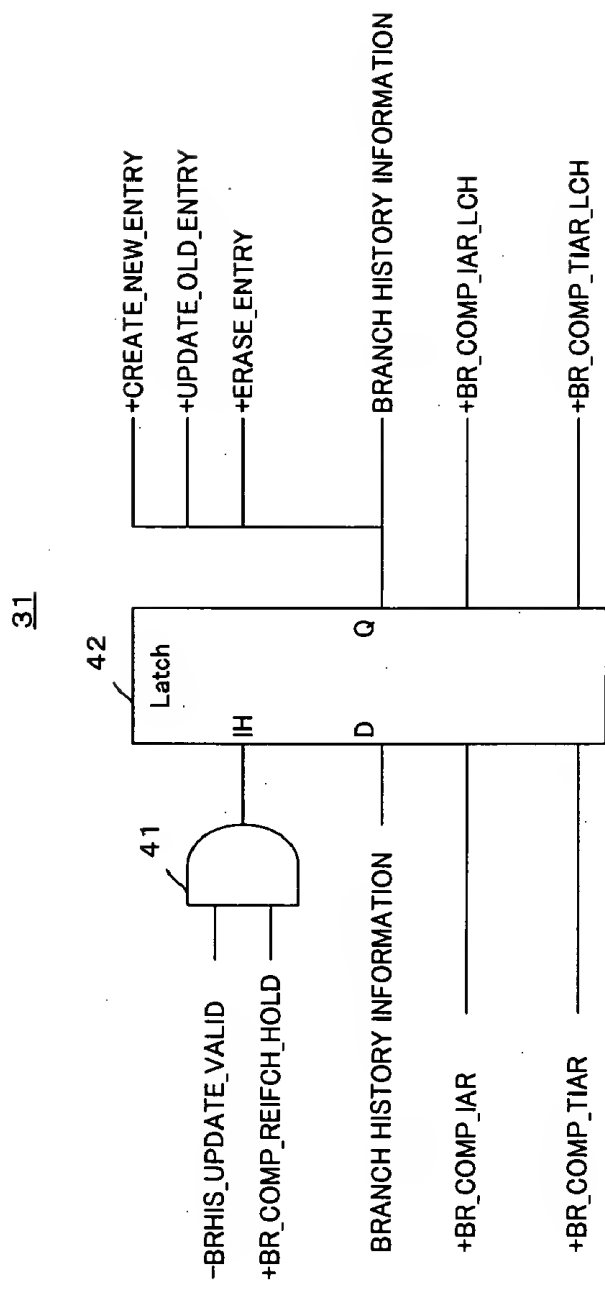


FIG. 8

32

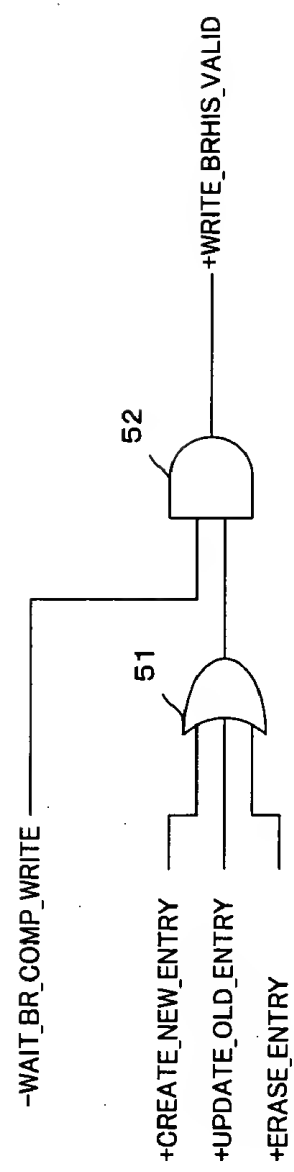


FIG. 9

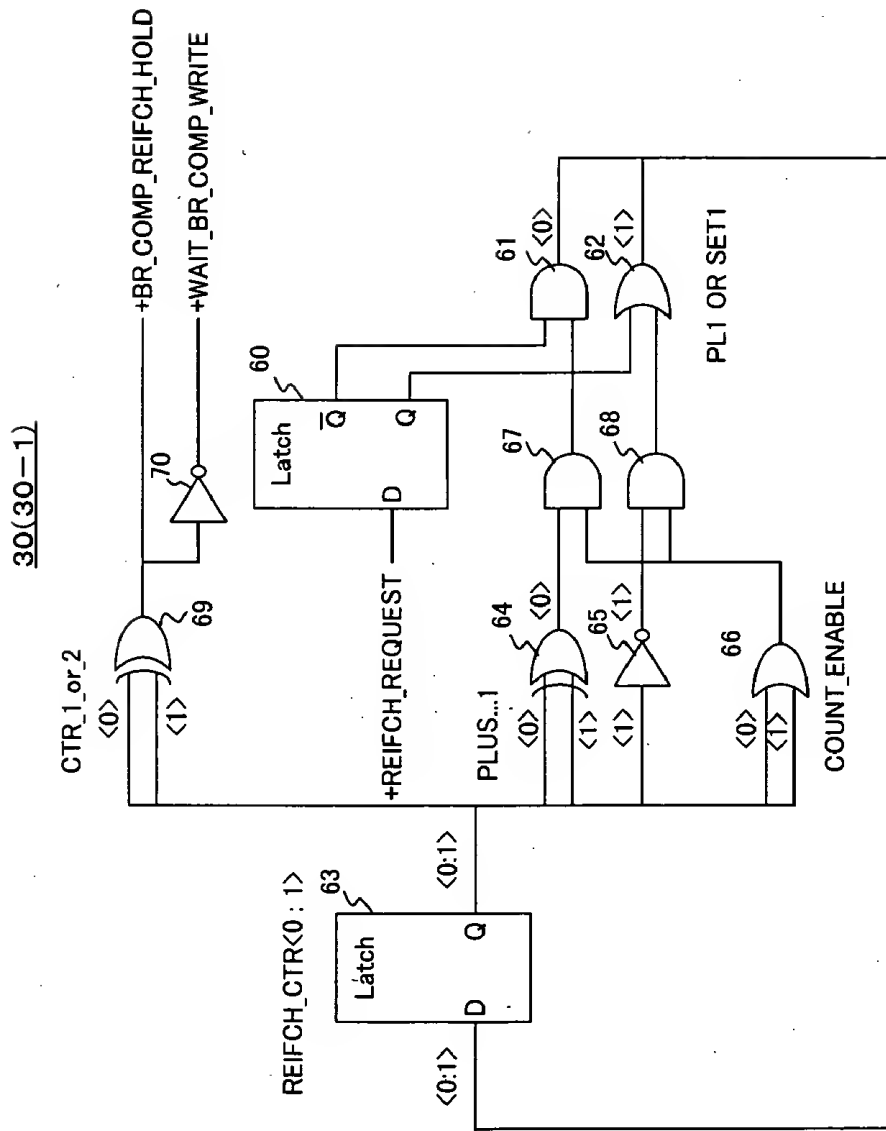


FIG. 10

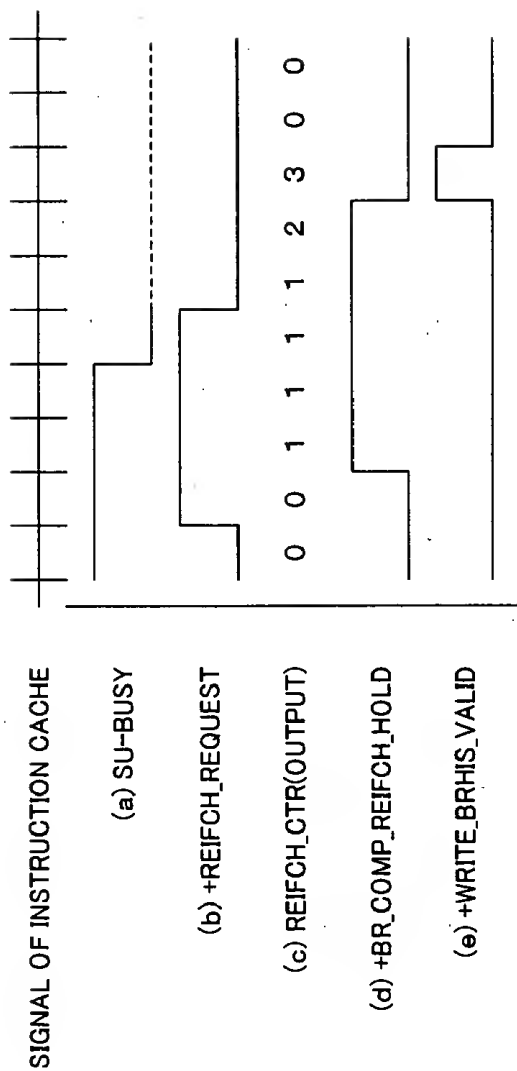


FIG. 11

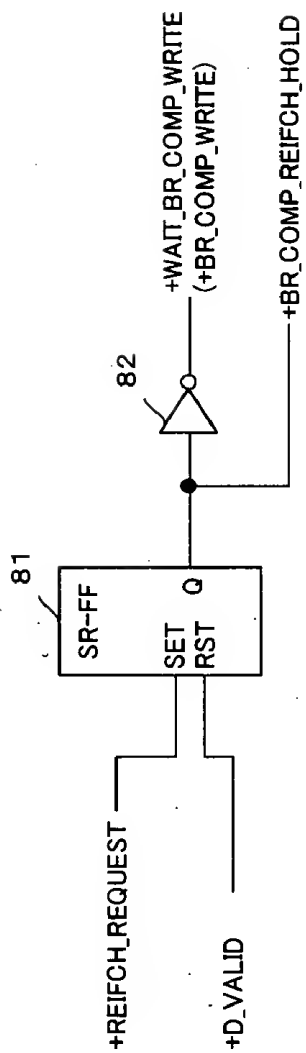


FIG. 12

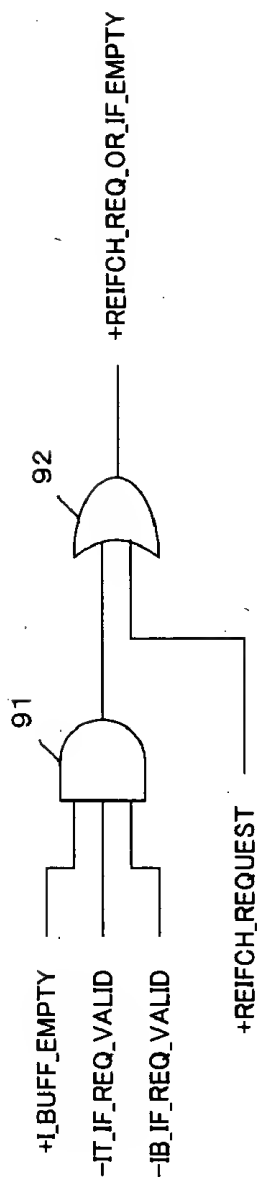


FIG. 13

30(30-3)

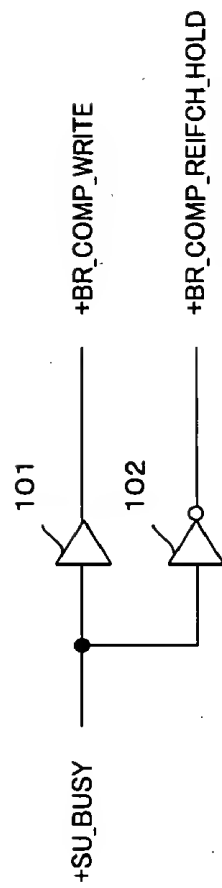


FIG. 14



30(30-4)

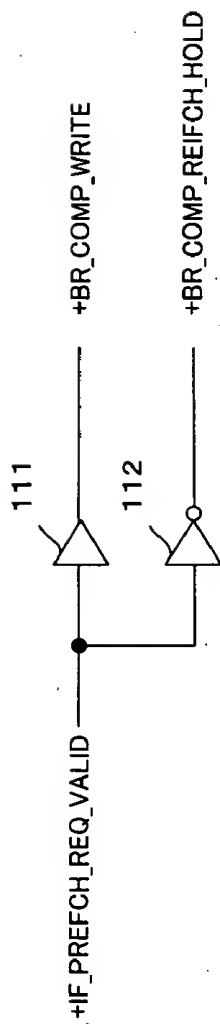


FIG. 15

120(120-1)

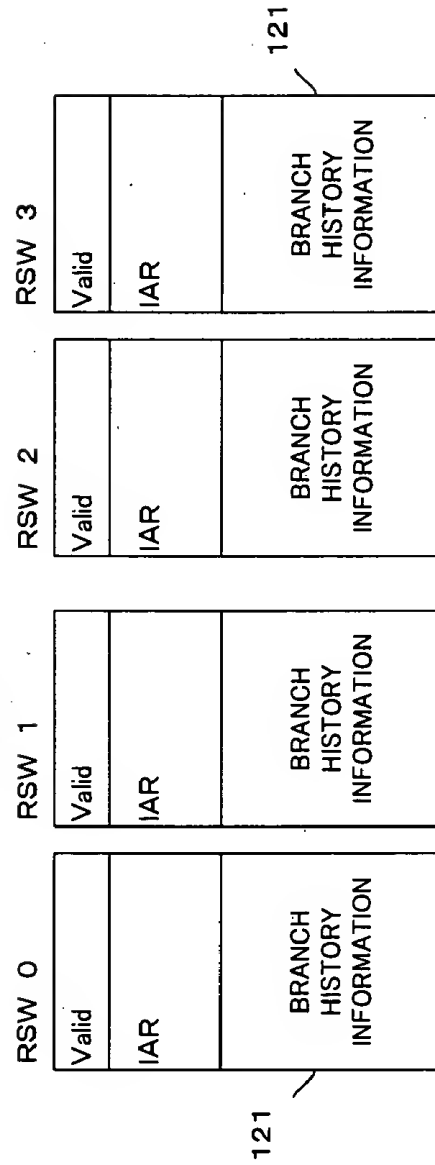


FIG. 16

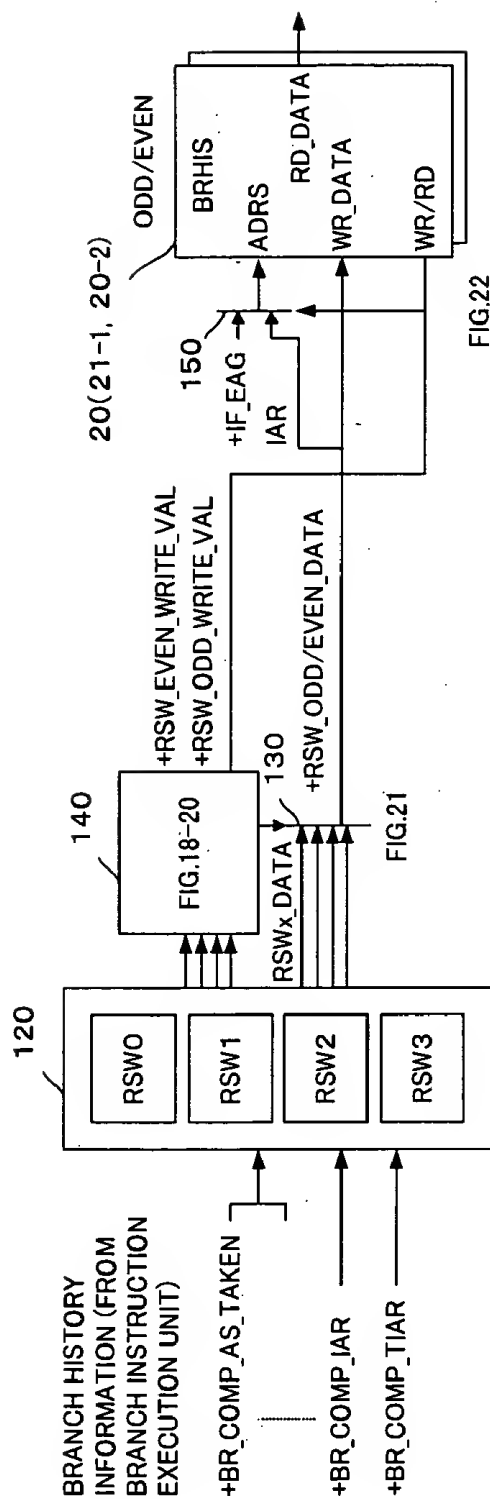


FIG. 17

001220"5222E560

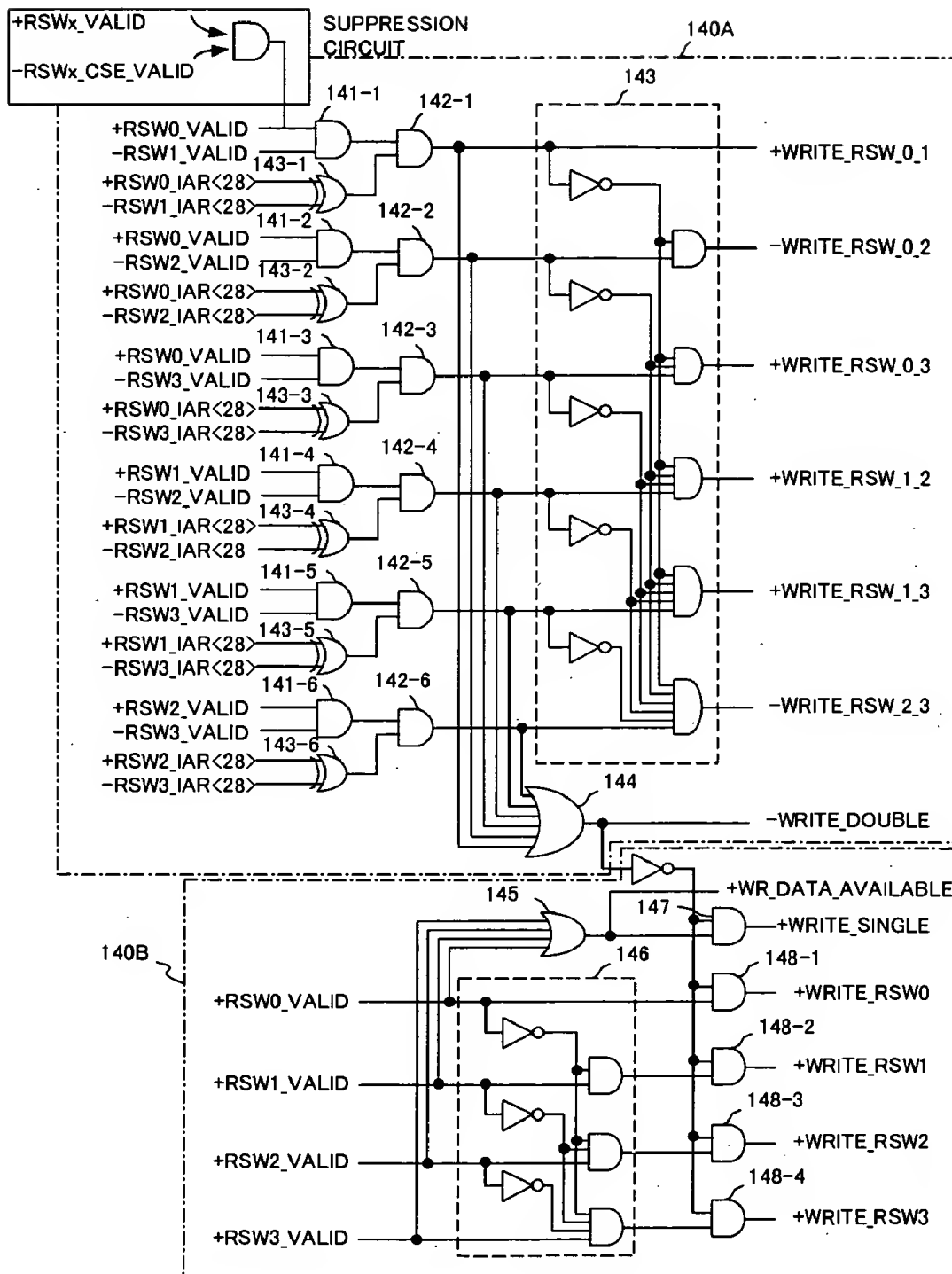


FIG. 18

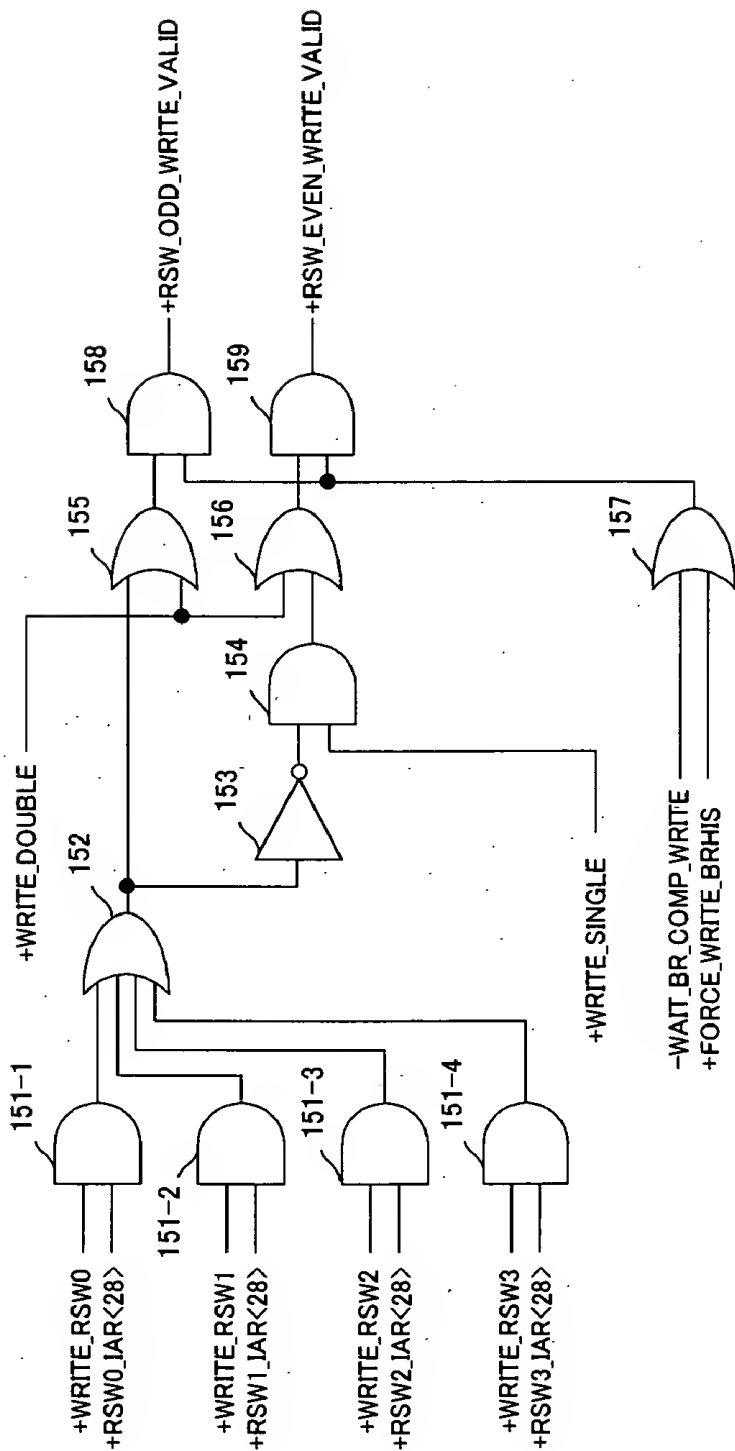


FIG. 19

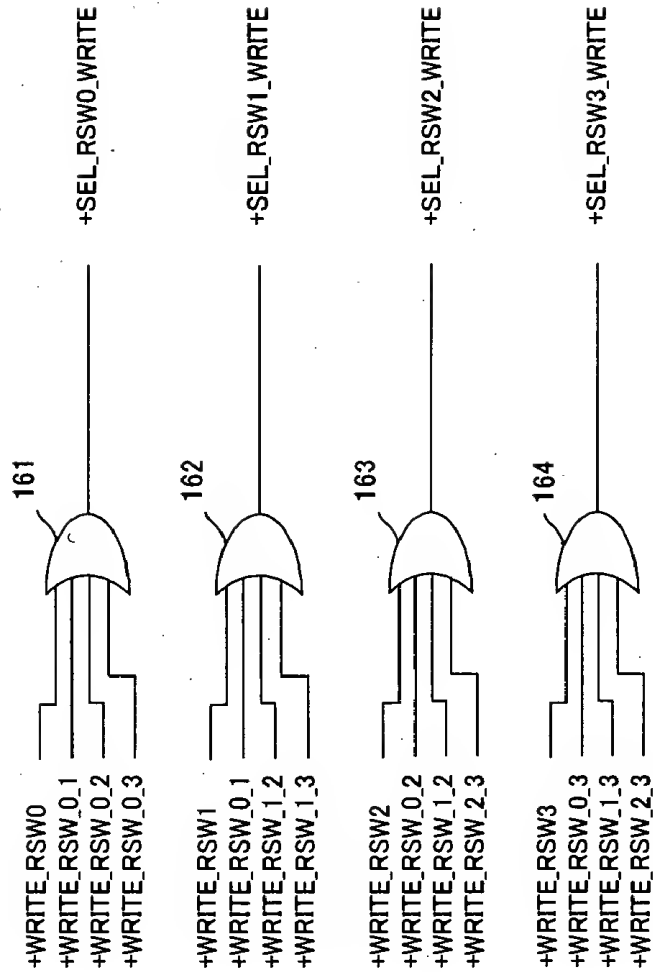


FIG. 20

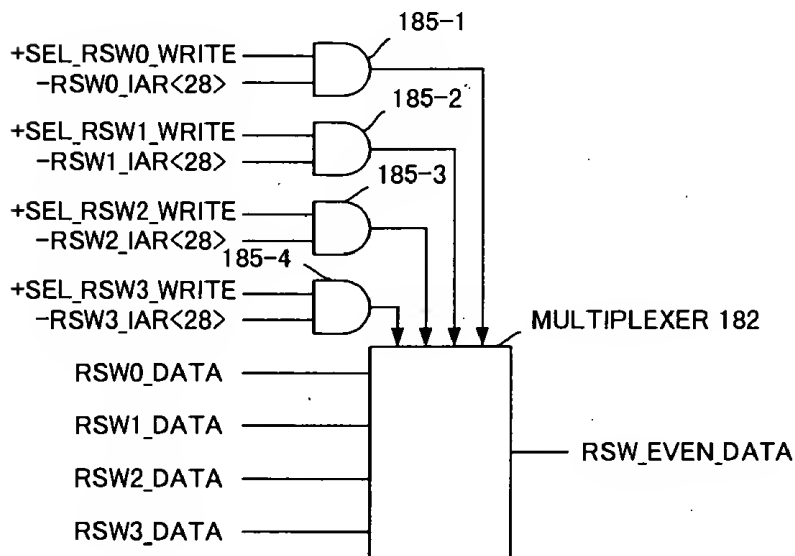
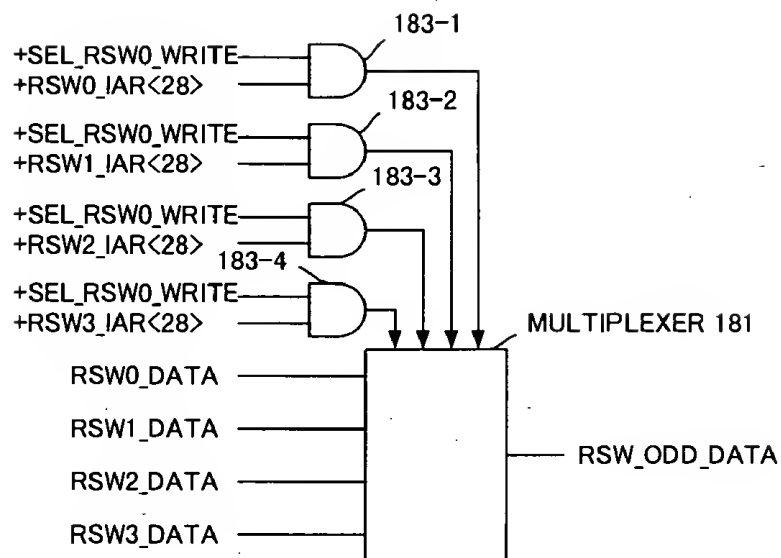


FIG. 21





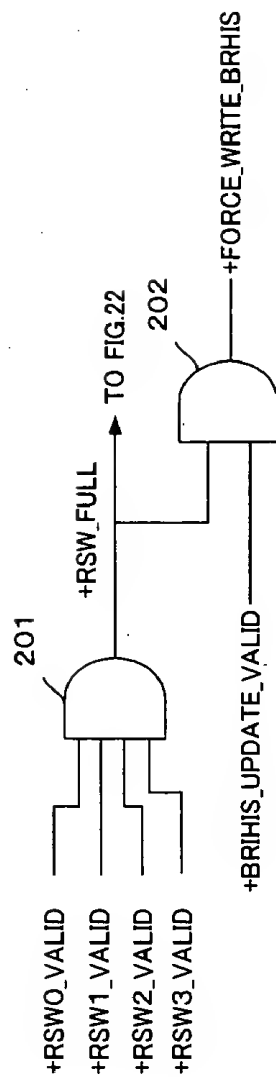


FIG. 23

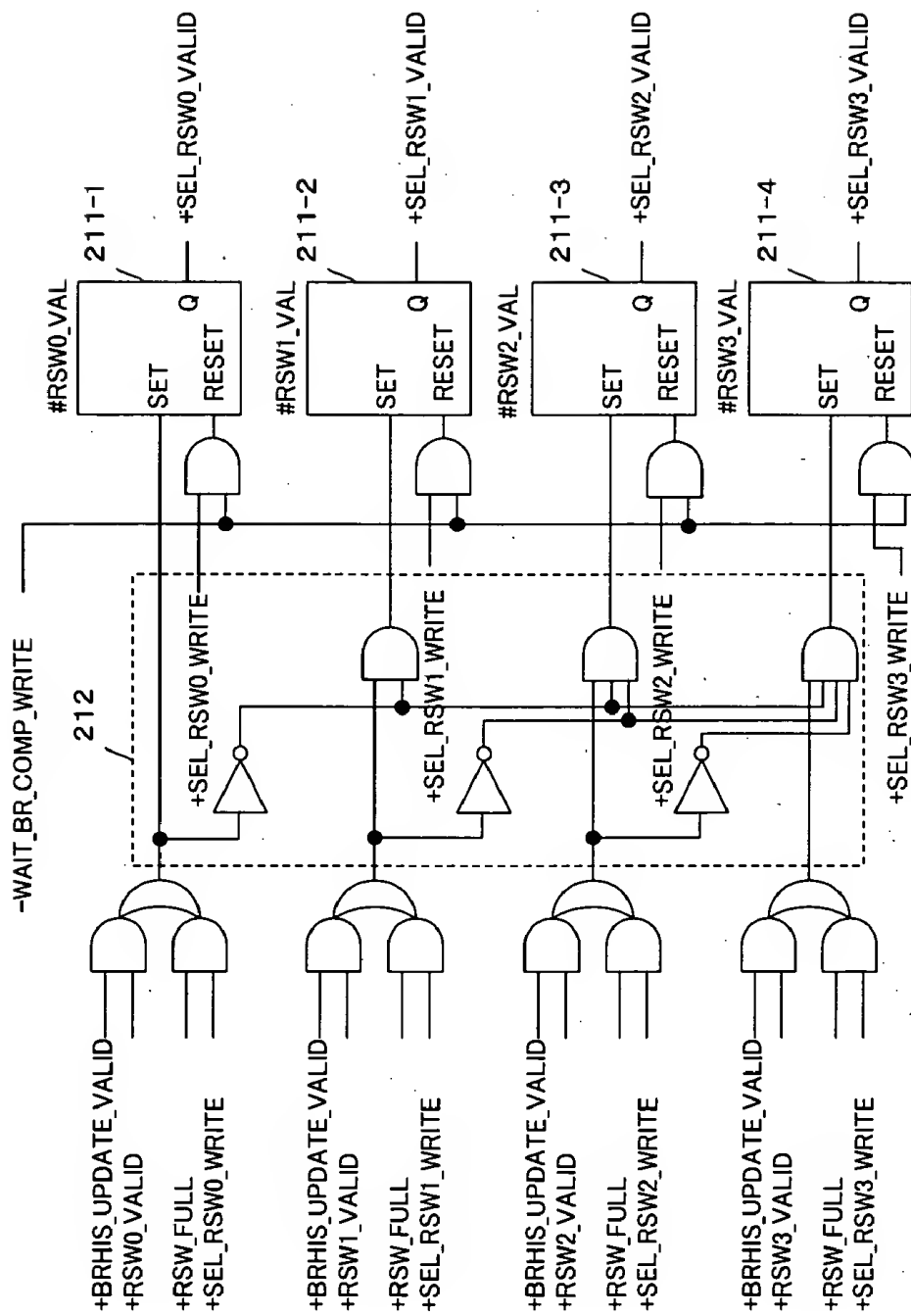


FIG. 24

NOTED" 5422560

120(120-2)

RSW 0	RSW 1	RSW 2	RSW 3
Valid	Valid	Valid	Valid
IAR	IAR	IAR	IAR
CSE-Valid	CSE-Valid	CSE-Valid	CSE-Valid
IID	IID	IID	IID
BRANCH HISTORY INFORMATION	BRANCH HISTORY INFORMATION	BRANCH HISTORY INFORMATION	BRANCH HISTORY INFORMATION

FIG. 25

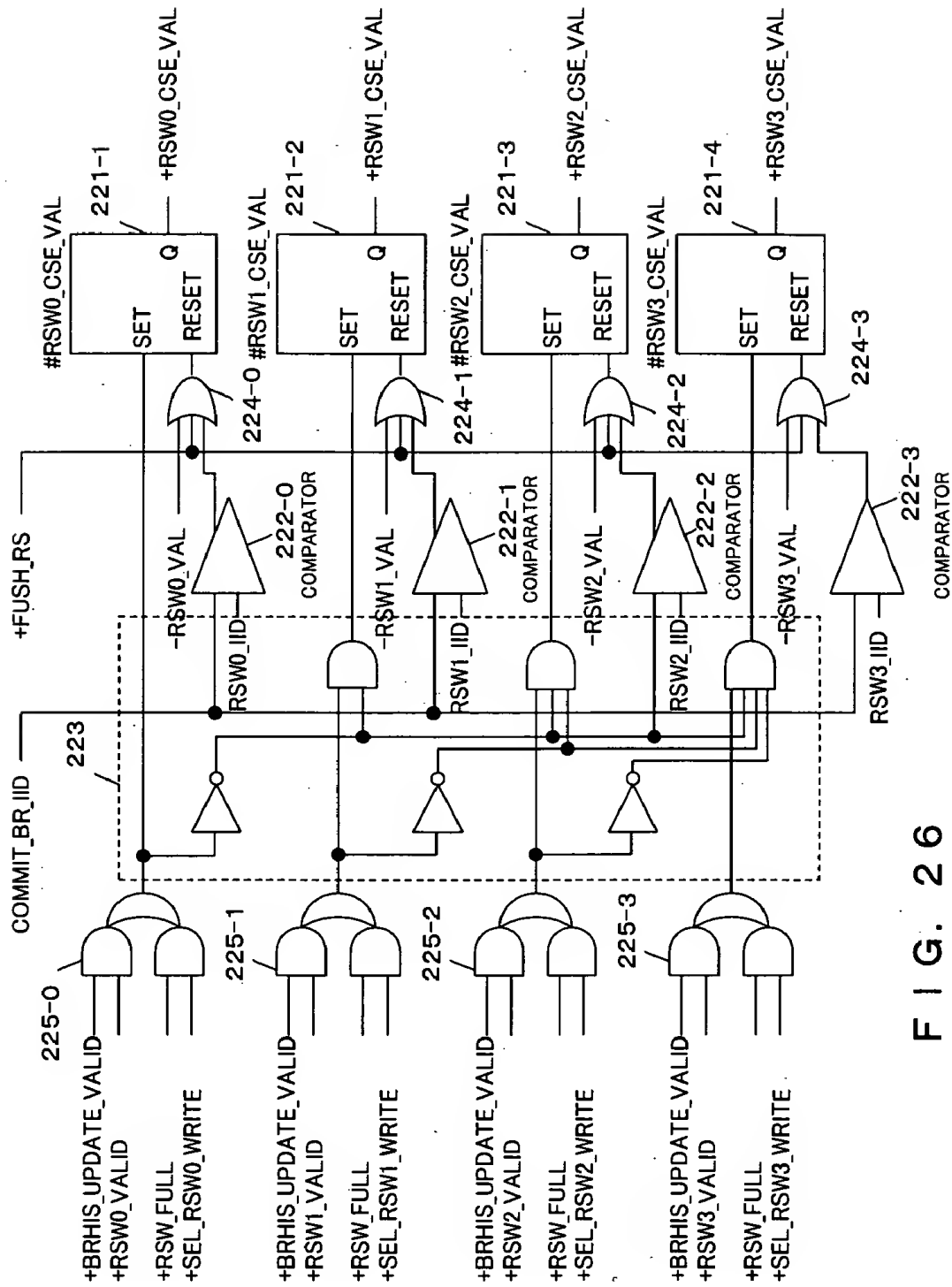


FIG. 26

NOTED" 5/22/560

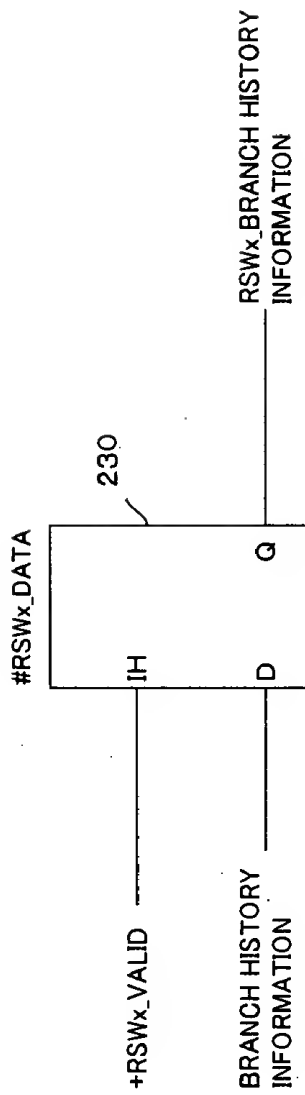


FIG. 27



007220" 5/22/96

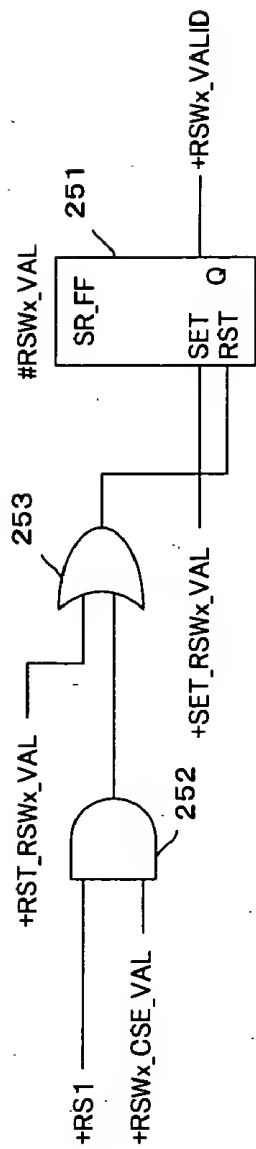


FIG. 29

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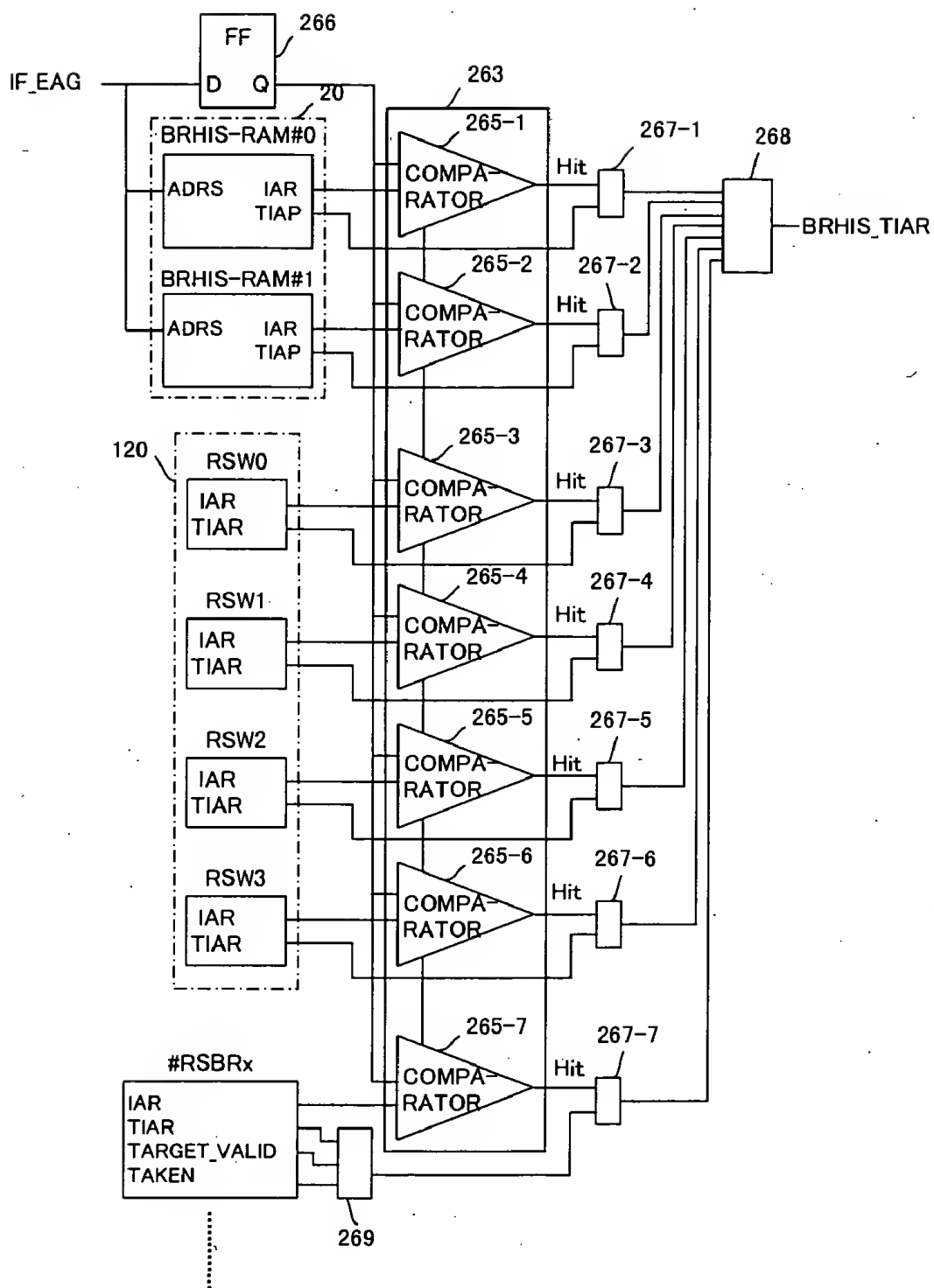


FIG. 30